

Product Datasheet

PER2 Antibody - BSA Free NBP2-93587-0.1ml

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-93587

Updated 2/17/2026 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-93587



NBP2-93587-0.1ml

PER2 Antibody - BSA Free

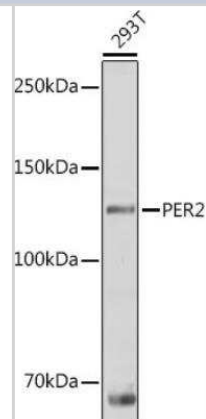
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol
Target Molecular Weight	137 kDa

Product Description	
Description	Novus Biologicals Rabbit PER2 Antibody - BSA Free (NBP2-93587) is a polyclonal antibody validated for use in IHC, WB, ELISA and CHIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8864
Gene Symbol	PER2
Species	Human, Mouse, Rat, Amphibian
Reactivity Notes	Amphibian reactivity reported from a verified customer review.
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 390-565 of human PER2 (NP_073728.1). GQPFDYSPFRFRARNGEYITLDTSWSSFINPWSRKISFIIGRHKVVRVGPLNEDVF AAHPCTEEKALHPSIQELTEQIHRLLLQVPHSGSSGYGSLGSNGSHEHLMSQ TSSSDSNGHEDSRRRRAEICKNGNKTKNRSHYSHESGEQKKKSVTEMQTNPP AEKKAVPAMEKDSLGV

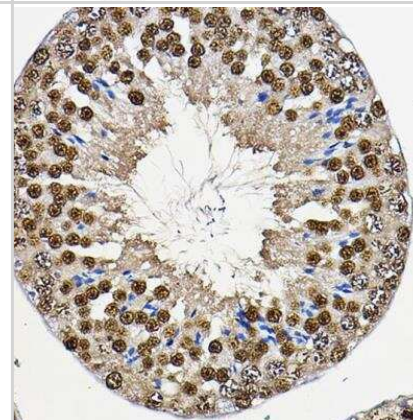
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500 - 1:1000, ELISA Recommended starting concentration is 1 µg/mL., Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200, Immunohistochemistry-Frozen Validated from a verified customer review, Chromatin Immunoprecipitation (ChIP) 5ug antibody for 10ug-15ug of Chromatin

Images

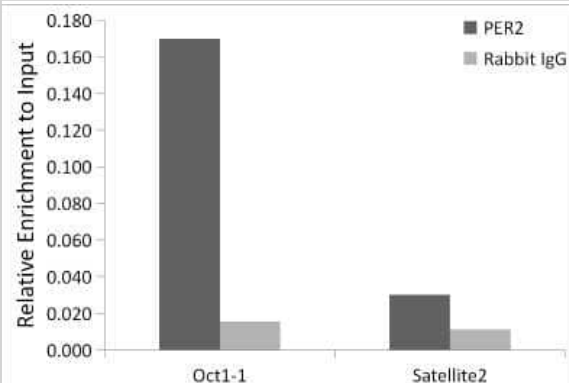
Western Blot: PER2 Antibody [NBP2-93587] - Analysis of extracts of 293T cells, using PER2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



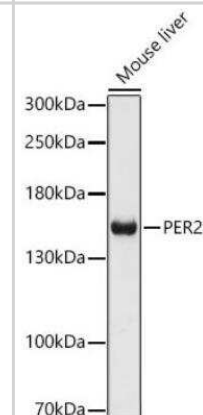
Immunohistochemistry-Paraffin: PER2 Antibody [NBP2-93587] - Mouse testis using PER2 Rabbit pAb at dilution of 1:100 (40x lens).



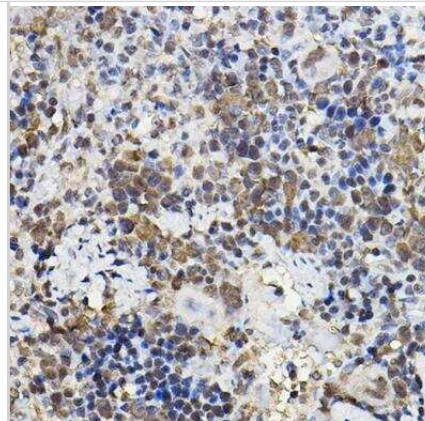
Chromatin Immunoprecipitation: PER2 Antibody [NBP2-93587] - Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using PER2 antibody (NBP2-93587) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



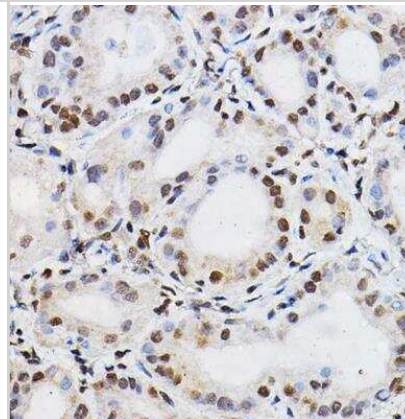
Western Blot: PER2 Antibody [NBP2-93587] - Analysis of extracts of Mouse liver, using PER2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



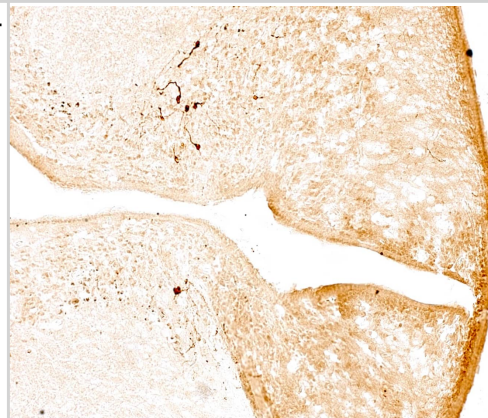
Immunohistochemistry-Paraffin: PER2 Antibody [NBP2-93587] - Rat spleen using PER2 Rabbit pAb at dilution of 1:100 (40x lens).



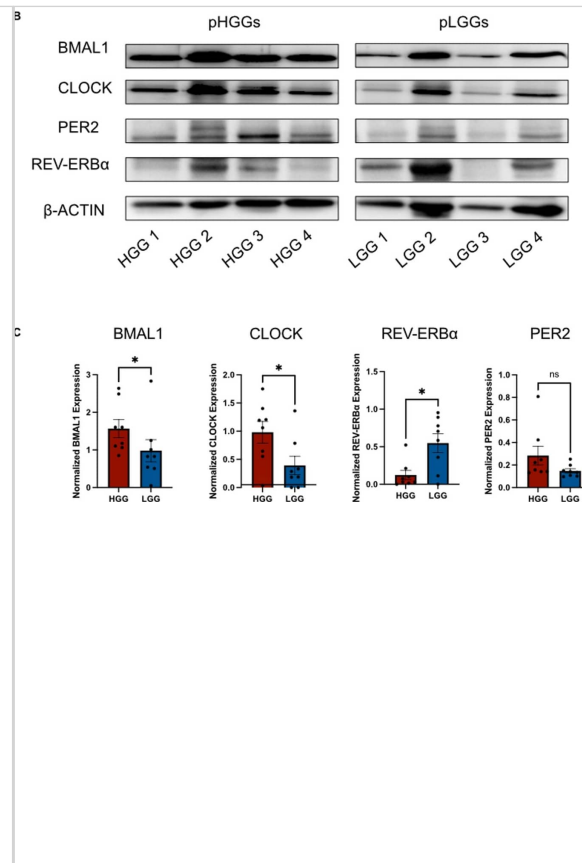
Immunohistochemistry-Paraffin: PER2 Antibody [NBP2-93587] - Human thyroid cancer using PER2 Rabbit pAb at dilution of 1:100 (40x lens).



Immunohistochemistry-Frozen: Rabbit Polyclonal PER2 Antibody [NBP2-93587] - 10X magnification. Immunoreactive cell bodies (DAB staining) along the 4th ventricle in 20um from Hyla cinerea. Image from a verified customer review.



Circadian gene expression varies between pHGGs and pLGGs. (A) Interleaved scatter plots represent bulk RNA sequencing (rsem FPKM) analysis comparing circadian gene expression across pediatric low-grade glioma (pLGG, n = 426, blue) and pediatric high-grade glioma (pHGG, n = 211, red) samples from the Pediatric Brain Tumor Atlas (PBTA, Provisional). Data are expressed as mean \pm SEM, and expression values are log₂-transformed FPKM counts. Statistical analysis was performed using a two-way ANOVA with Benjamini and Hochberg false discovery rate (FDR) to determine differences in gene expression between pHGGs and pLGGs. Each dot represents an individual tumor sample. Asterisks indicate statistically significant differences (*P < 0.05), while "NS" denotes non-significant comparisons. (B) Western blots of four representative pediatric high-grade glioma tissue samples (left) and four pediatric low-grade glioma tissue samples (right) comparing BMAL1, CLOCK, PER2, and REV-ERB α protein expression (sections of separate blots displayed; full blots are shown in Supplementary Figure S3). Of note, tissue sample HGG 3 is derived from the same patient as the STN-49 cell line. (C) Normalization to β -ACTIN control reveals BMAL1 (p < 0.05, 1.57 vs. 0.98) and CLOCK (p < 0.05, 0.98 vs. 0.39) protein expression is higher in high-grade gliomas compared to low-grade gliomas, REV-ERB α is lower (p < 0.05, 0.12 vs. 0.55), and there are no significant differences in PER2 protein expression. Data are expressed as mean \pm SEM. Image collected and cropped by CiteAb from the following open publication (<https://www.nature.com/articles/s41598-025-17461-9>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-93587-0.1ml

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-93587

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

